

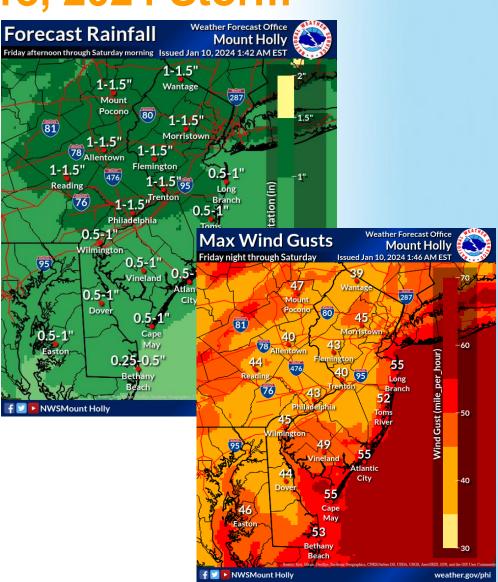


January 12-13, 2024 Storm

Decision Support Briefing #1 As of: 6 AM, January 10, 2024

What Has Changed?

- ✓ Wrap up from storm Tuesday night.
- Another storm will impact the area Friday night through Saturday with heavy rain and strong winds.











Hazard

Impacts

Location

Timing

Heavy Rain/ Flooding



0.5 to 1.5 inches possible.
Flooding will be exacerbated for rivers that will still be in flood.
Urban and small stream flooding.

Entire region. The most significant river flooding potential for northern NJ and southeast PA.

Heaviest rain Friday
evening through
Saturday morning. River
flooding risk continues
through Saturday and
beyond.

Wind



Strong to damaging west winds today, then southeast to south winds, turning west Friday night and Saturday. Tree damage and power outages possible, especially closer to the coast.

Friday night and Saturday: Inland areas: 40 to 50 mph gusts. Coastal areas: 50 to 60 mph gusts.

For today: 40 to 50 mph

gusts for all areas

Strongest winds Friday night. Strong winds continue into Saturday.

Marine



Storm-force wind gusts.

Dangerous seas building to 8 to
12 ft; lower on Delaware Bay.

All Atlantic coastal waters of New Jersey and Delaware, including Delaware Bay.

Friday night. High seas and Gales persist through at least Saturday night.

Coastal Flooding



Minor to moderate coastal flooding.

@NWS MountHolly

New Jersey and Delaware coasts, tidal Delaware River and tributaries.

Minor to moderate coastal flooding both this morning and afternoon. Minor coastal flooding is possible Friday and Saturday.

Weather Forecast Office
Philadelphia/Mount Holly

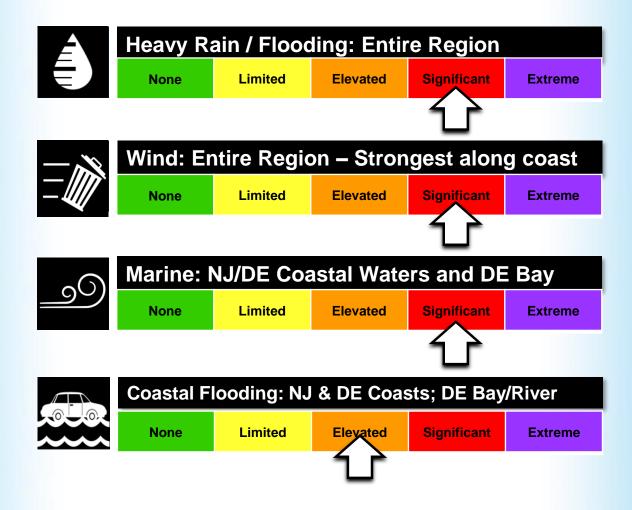








Summary of Greatest Impacts

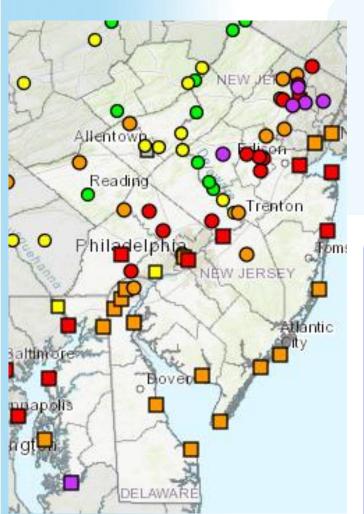








Moderate to Major River Flooding



Some smaller streams and creeks in flood will crest this morning.

Many rivers will remain in flood stage, with areas of moderate to major river flooding.

Slower-responding rivers may not crest until Friday.

Monitor area rivers levels, forecasts & crests: https://www.weather.gov/phi/hydrodashboard
Or as always, visit water.weather.gov





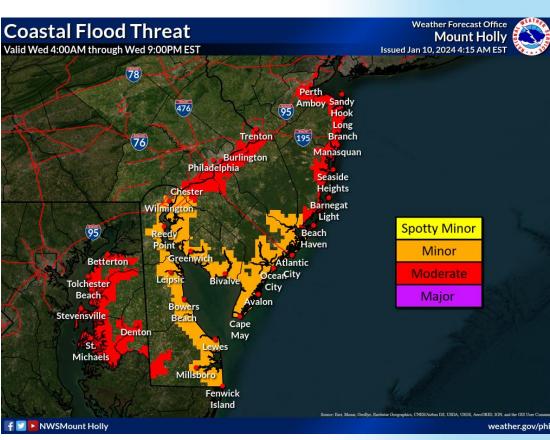






Coastal Flood Hazards and Threats Today





MINOR coastal flooding is possible Friday and Saturday.







High Winds Today



West winds 20 to 25 mph with 45 mph gusts.

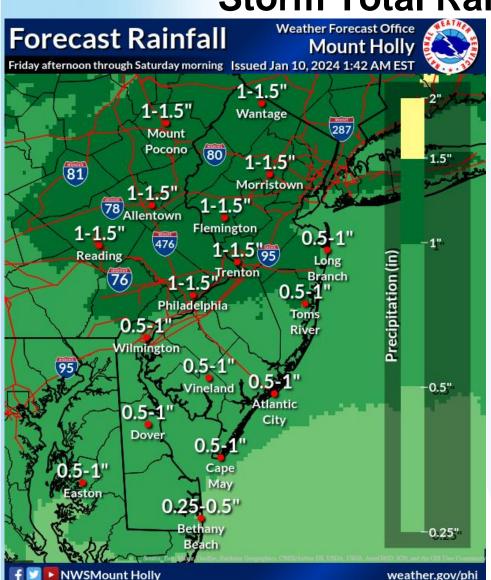








Storm Total Rainfall Amounts



Normally, this type of rainfall would mainly result in minor flooding. However, with moderate to major river flooding will continue into the end of the week, especially for portions of eastern PA and northern NJ. This new rainfall will exacerbate flooding. Additional urban and small stream flooding.

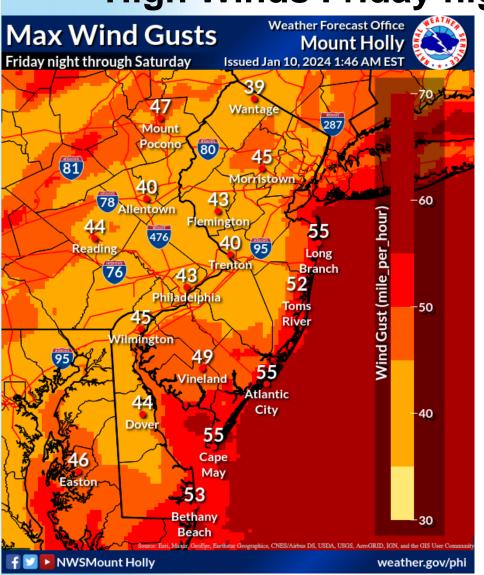
Heaviest rain focused across northern NJ and northeast PA due to very strong southeast flow into the higher terrain.







High Winds Friday night through Saturday



Friday night:

Inland areas: Southeast winds 20 to 30 mph with 40 to 50 mph gusts.

Coastal areas: Southeast winds 30 to 40 mph with 50 to 60 mph gusts.

Saturday:

West winds 20 to 30 mph with 30 to 40 mph gusts.







Event Summary

- Flooding: Several rivers experiencing moderate to major flooding, especially across northern NJ and southeast PA, will remain in flood stage through the end of the week. Another storm with as much as 1.5 inches of new rain Friday night through Saturday will exacerbate flooding.
- Coastal Flooding: Coastal Flood Warning continues today for the tidal Delaware River and northern NJ. Coastal Flood Advisory today for the rest of the NJ Atlantic coast, tidal Delaware Bay, and the Chesapeake Bay. For the back bays along NJ shore, the highest water levels will occur late this AM into early afternoon. **MINOR** coastal flooding possible once again Friday and Saturday.
- Strong/Damaging Winds: Wind Advisory today for West winds 20 to 25 mph with 45 mph gusts. For Friday night: southeast to south winds gusting as high as 50 mph for inland areas and as high as 60 mph for coastal areas. West to southwest winds with gusts as high as 40 mph continue on Saturday.
- **Marine:** Storm force winds are likely Friday night, and then Gale force winds are likely Saturday through at least Saturday night. Dangerous seas will build to 8 to 12 feet Friday night and Saturday.







Contact and Next Briefing Information



Next briefing:
by 7am Thursday,
January 11, 2024,
unless changes warrant an update.

Briefing Webpage:

www.weather.gov/media/phi/current_briefing.pdf







Disclaimer: The information contained within this briefing is time-sensitive, do not use after the next briefing package issuance





